

IN THE CLAIMS:

AI 1. (currently amended) A method for processing a database query on a set of data stored on a plurality of data pages in a database management system, the method comprising the steps of:

- a) utilizing a query processor to call a data manager and request the return of data from the set of data;
- b) allowing the data manager to locate query-specified data on a stabilized data page and make a determination regarding the query-specified data;
- c) utilizing the data manager to write the query-specified data on the stabilized data page to a buffer based on the determination while maintaining the stabilization of the data page; and
- d) utilizing the query processor to retrieve the query-specified data from the buffer.

2. (original) The method of claim 1 wherein the determination involves determining whether the query-specified data is to be ignored, consumed, or returned to the query processor.

3. (original) The method of claim 2 wherein the determination is that the query-specified data is to be returned to the query processor.

4. (original) The method of claim 3 wherein the set of data is stored on a plurality of pages and step b) further comprises:

- b1) locating a page containing query-specified data;
- b2) stabilizing the page; and
- b3) accessing the page.

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5. (original) The method of claim 4 wherein step c) further comprises:

c1) maintaining the stabilization of the page, while the data manager writes all the query-specified data on the page to the buffer.

6. (currently amended) A system for processing a database query on a set of data stored on a plurality of data pages in a database management system, the system comprising:

a data manager;

a query processor comprising means to call the data manager and request the return of data from the set of data;

means for allowing the data manager to locate query-specified data on a stabilized data page and make a determination regarding the query-specified data;

means for utilizing the data manager to write the query-specified data on the stabilized data page to a buffer based on the determination while maintaining the stabilization of the data page; and

means for utilizing the query processor to retrieve the query-specified data from the buffer.

7. (original) The system of claim 6 wherein the determination involves determining whether the query-specified data is to be ignored, consumed, or returned to the query processor.

8. (original) The system of claim 7 wherein the determination is that the query-specified data is to be returned to the query processor.

9. (original) The system of claim 8 wherein the set of data is stored on a plurality of

41 pages and the means for allowing the data manager to locate query-specified data further comprises:

- means for locating a page containing query-specified data;
- means for stabilizing the page; and
- means for accessing the page.

10. (original) The system of claim 9 wherein the means for utilizing the data manager to write the query-specified data to a buffer further comprises:

- means for maintaining the stabilization of the page, while the data manager writes all the query-specified data on the page to the buffer.

11. (currently amended) A computer readable medium containing program instructions for processing a database query on a set of data stored on a plurality of data pages in a database management system, the program instructions comprising the steps of:

- a) utilizing a query processor to call a data manager and request the return of data from the set of data;
- b) allowing the data manager to locate query-specified data on a stabilized data page and make a determination regarding the query-specified data;
- c) utilizing the data manager to write the query-specified data on the stabilized data page to a buffer based on the determination while maintaining the stabilization of the data page; and
- d) utilizing the query processor to retrieve the query-specified data from the buffer.

12. (original) The computer readable medium of claim 11 wherein the determination

A1 involves determining whether the query-specified data is to be ignored, consumed, or returned to the query processor.

13. (original) The computer readable medium of claim 12 wherein the determination is that the query-specified data is to be returned to the query processor.

14. (original) The computer readable medium of claim 13 wherein the set of data is stored on a plurality of pages and step b) further comprises:

- b1) locating a page containing query-specified data;
- b2) stabilizing the page; and
- b3) accessing the page.

15. (original) The computer readable medium of claim 14 wherein step c) further comprises:

- c1) maintaining the stabilization of the page, while the data manager writes all the query-specified data on the page to the buffer.
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A2 16. (new) A method for processing a database query on a set of data stored on a plurality of data pages in a database management system, the method comprising the steps of:

- a) utilizing a query processor to call a data manager and request the return of data from the set of data;
- b) allowing the data manager to locate query-specified data by:
 - b1) locating a data page containing query-specified data;
 - b2) stabilizing the data page; and

b3) accessing the data page;

A2 c) utilizing the data manager to make a determination regarding the query-specified data and to write the query-specified data on the stabilized data page to a buffer based on the determination while maintaining the stabilization of the data page; and

d) utilizing the query processor to retrieve the query-specified data from the buffer.

17. (new) A system for processing a database query on a set of data stored on a plurality of data pages in a database management system, the system comprising:

a data manager;

a query processor comprising means to call the data manager and request the return of data from the set of data;

means for allowing the data manager to locate query-specified data comprising means for locating a data page containing query-specified data, means for stabilizing the data page, and means for accessing the data page;

means for utilizing the data manager to make a determination regarding the query-specified data and to write the query-specified data on the stabilized data page to a buffer based on the determination while maintaining the stabilization of the data page; and

means for utilizing the query processor to retrieve the query-specified data from the buffer.

18. (new) A computer readable medium containing program instructions for processing a database query on a set of data stored on a plurality of data pages in a database management system, the program instructions comprising the steps of:

a) utilizing a query processor to call a data manager and request the return of data

from the set of data;

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- b) allowing the data manager to locate query-specified data by:
 - b1) locating a data page containing query-specified data;
 - b2) stabilizing the data page; and
 - b3) accessing the data page;
 - c) utilizing the data manager to make a determination regarding the query-specified data and to write the query-specified data on the stabilized data page to a buffer based on the determination while maintaining the stabilization of the data page; and
 - d) utilizing the query processor to retrieve the query-specified data from the buffer.
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